Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/07/2021 10:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124566	-1	1.33	124461	1.31
Blue	F	SSC	125000	123713	-2	2.3	123986	2.16
Blue	E	FITC	13131	12748	-3	2.38	294	15.76
Blue	D	PE	24112	23627	-3	1.82	541	11.28
Blue	B	PerCP-Cy5-5	31295	30325	-4	3.25	1005	15.08
Blue	A	PE-Cy7	19939	19705	-2	5.38	519	30.38
Red	C	APC	42122	40870	-3	2.93	1709	11.54
Red	A	APC-Cy7	22340	21617	-4	3.15	812	11.82
Violet	B	V450	7410	7002	-6	3.18	425	12.21
Violet	A	V500	28118	26850	-5	2.81	668	9.77

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22791	2.17	589	20	N/A	N/A	Pass
Blue	F	SSC	57596	1.09	526	14	N/A	N/A	Pass
Blue	E	FITC	53	54.62	492	5	0.0397	85	Pass
Blue	D	PE	113	38.92	495	7	0.3673	311	Pass
Blue	B	PerCP-Cy5-5	186	37.35	592	6	0.0184	70	Pass
Blue	A	PE-Cy7	105	72.13	636	8	0.0207	8	Pass
Red	C	APC	394	24.33	583	7	0.0270	173	Pass
Red	A	APC-Cy7	181	27.86	558	7	0.0060	987	Pass
Violet	B	V450	60	61.78	462	9	0.0637	2224	Pass
Violet	A	V500	97	32.1	474	9	0.0245	465	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.78	-31.64	1.00
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.42
Red	14.04	13.60 - 20.40	N/A	N/A	30.00	30.23	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9547

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments